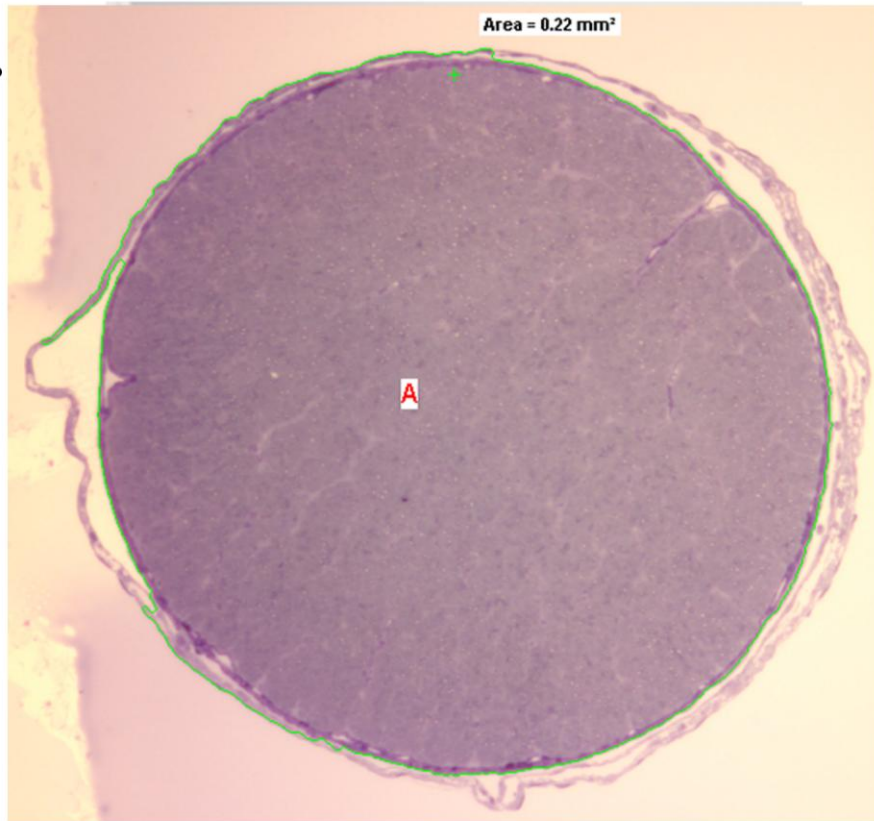
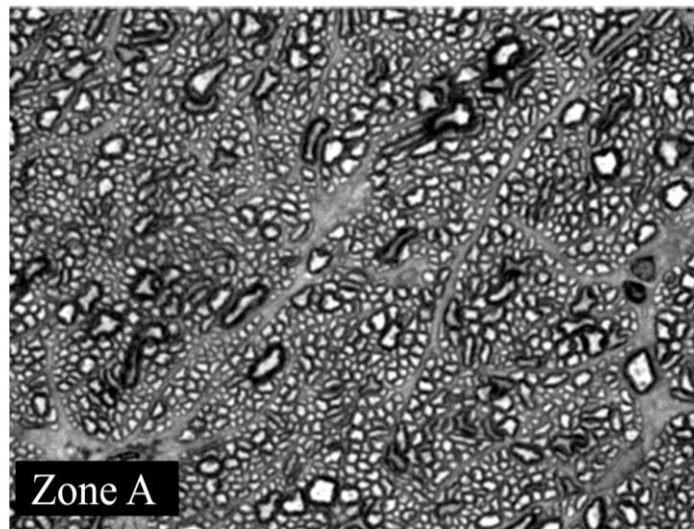


A.



B.



Supplementary Figure S1. Homogenous zone identification in a healthy control optic nerve.

A semi-thin section of an optic nerve obtained 2-3mm distal to the globe was stained with toluidine blue and observed under 100x magnification (A). The cross sectional area was calculated using image processing software. In this control optic nerve there was only 1 zone which contained a homogenous population of healthy retinal ganglion cell axons. The number of retinal ganglion cell axons was quantified at 630x magnification (B) as described in the methods section.